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a coupling 58 with an underpressure switch 59 accommodated in the housing of the film leak detector 1. As sniffing line 47 serves in known manner a capillary "tube" (diameter approximately 0.5mm). This applies also to the line 57, in order for the underpressure generated by the sniffing tip 53 in chamber 55 to exert its effect rapidly on the underpressure switch 59.

Please replace the paragraph beginning at page 3, line 19, with the following rewritten paragraph:

B3

--In the film leak detector according to Figure 1 the leak detector cycle proceeds automatically. To control the process flow, a control center is provided which is only depicted as a block 61. With it are connected all meters and all structural components to be controlled. This applies also to a switch which is actuated with the closing of the test chamber. In the embodiment example depicted this switch is a proximity switch, which comprises a metal pin 62 provided on frame 3 and a sensor 63 disposed on frame 4. The sensor 62 is connected with the control center 2. Other switches, be they operated electrically, mechanically or optically, can be applied for this purpose.

Please replace the paragraph beginning at page 6, line 24, with the following rewritten paragraph:

B4

--Of interest to the visitor in the quantitative leak detection as a rule is the leakage rate of a detected leak, measured in mbarl/sec.

In the Claims:

Please cancel Claims 1-20 in favor of new Claims 21-26, as follows:

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--21. A leak detector comprising:

an upper frame and a lower frame onto each of which a film is stretched thereupon, each of the upper frame and the lower frame further comprising an outer subframe and an inner subframe each made from a synthetic material between which said films are fastened wherein each outer subframe of said upper and lower frames,